

# **CONGESTION MITIGATION AIR QUALITY (CMAQ) PROGRAM**

**Planning and Programming Committee**

**July 12, 2019**



# ACTION REQUESTED

Recommend this item to the Executive Committee for placement on the September 2019 Board of Directors' agenda:

- Recommends the regional priority of projects to be implemented in SFY2024-2025 with Congestion Mitigation and Air Quality (CMAQ) program funds

## PREVIOUS ACTION

- Applications presented to the Air Quality Subcommittee and the Transportation Subcommittee



# BACKGROUND

## Purpose of the CMAQ program

- Advance transportation projects or programs that will contribute to attainment or maintenance of the National Ambient Air Quality Standards (NAAQS) for Ozone (O<sub>3</sub>), Carbon Monoxide (CO), and Particulate Matter (both PM10 and PM2.5).

## Goals

- Improve Air Quality
- Relieve Congestion



# BACKGROUND

## Eligible Project Types

- Regional Rideshare/Vanpool Programs
- Congestion Reduction, Traffic Flow Improvements & Intelligent Transportation Systems
- Transit Vehicle Replacement
- Freight/Intermodal Including Diesel Engine Retrofits
- Public Education and Outreach
- Transit Service Upgrades
- Bicycle/Pedestrian
- Alternative Fuels and Vehicles – Non-Transit
- Employer-Based Programs
- Travel Demand Management
- Modal Subsidies and Vouchers
- Transit Facility Upgrades
- Other Transportation Control Measures



# BACKGROUND

## Project Evaluation:

- Projects evaluated in accordance with the Statewide CMAQ Policy and criteria
- Regional Priority is the only criteria NOACA has the ability to control; the assignment of points to four projects (10, 7, 4 and 2)
- Previously, the Planning and Programming Committee and the Board have Directed these points to be applied strategically by staff to maximize CMAQ funding to the region



# BACKGROUND

## Statewide Project Evaluation Criteria: 100 Total Points

1. Project Type (10):
  - Recognized project types with proven emissions reducing benefits
2. Cost Effectiveness (20);
  - Project's ability to reduce emissions per CMAQ dollar invested
3. Other Benefits (10):
  - Benefits Safety, Freight, Fixed Route Transit, Bike/Ped, and EJ Areas
4. Existing Modal Quality of Service (LOS/QOS) (15):
  - Existing level of service facility currently operating
5. Positive Impact on QOS/LOS (15)
  - Projected level of service facility will operate at post project



# BACKGROUND

## Statewide Project Evaluation Criteria 100 Total Points (cont.)

6. Status of Project (10):
  - Project readiness, status of project development
7. Non-Federal Match of Requested CMAQ Funds (10):
  - Significance of non-CMAQ funding contribution
8. Regional Priority (10):
  - MPO priority points given up to four project submittals at 10,7,4, and 2
9. Past Project Delivery (-10):
  - Past delivery performance of the project sponsor



# BACKGROUND

- **Regional Priority is the only criteria NOACA has the ability to control - assignment of points to four projects (10, 7, 4 and 2)**
- **As previously directed, these points have been applied strategically by staff to maximize CMAQ funding to the region**
  - Not consider projects that already score well
  - Greatest regional impact
  - Promotes multimodal transportation system and choice



# BACKGROUND

- **As such, staff recommends points to the following projects:**
  - Regional Electric Vehicle Charging Stations (10 points)
  - GCRTA Blue/Green Rail Line Shelter Improvements (7 points)
  - SOM Center Rd. Multi-Purpose Facility, Willoughby (4 points)
  - Richmond Rd. Multi-Purpose Facility, Bedford Heights (2 points)



# 2019 CMAQ PROJECT APPLICATIONS

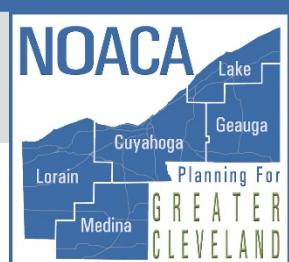
| County | Sponsor Agency                               | Project Name and Description                          | Primary Project Type     | Total Cost    | Total CMAQ \$ Requested* |
|--------|--|---|--------------------------|---------------|--------------------------|
| CUY    | BEDFORD HEIGHTS                              | RICHMOND ROAD MULTI-PURPOSE TRAIL                     | Bicycle                  | \$ 634,440    | \$634,440                |
| CUY    | CLEVELAND METROPARKS                         | WEST CREEK GREENWAY                                   | Bicycle                  | \$ 1,800,000  | \$1,422,000              |
| CUY    | GREATER CLEVELAND REGIONAL TRANSIT AUTHORITY | GCRTA 2024-2025 BUS REPLACEMENT PROGRAM               | Vehicle Replacement      | \$ 20,750,000 | \$16,600,000             |
| CUY    | GREATER CLEVELAND REGIONAL TRANSIT AUTHORITY | BLUE AND GREEN RAIL LINE SHELTER IMPROVEMENTS         | Transit Facility Upgrade | \$ 2,000,000  | \$1,600,000              |
| CUY    | GLENWILLOW                                   | BROADWAY-RICHMOND INTERSECTION RECONSTRUCTION PROJECT | Roadway/Signals          | \$ 1,711,610  | \$1,369,288              |
| GEA    | CHARDON                                      | CITY OF CHARDON TRAFFIC SIGNAL UPDATE                 | Roadway/Signals          | \$ 1,627,340  | \$741,170                |
| LAK    | LAKETRAN                                     | LAKETRAN VEHICLE REPLACEMENTS                         | Vehicle Replacement      | \$ 4,760,000  | \$3,808,000              |
| LAK    | WILLOUGHBY                                   | SR 91-SOM CENTER ROAD MULTI-PURPOSE TRAIL             | Bicycle                  | \$ 2,537,879  | \$1,845,730              |
| LOR    | LORAIN CO METROPARKS                         | SHEFFIELD VILLAGE CONNECTOR                           | Bicycle                  | \$ 500,000    | \$400,000                |
| REG    | NOACA  | ELECTRIC VEHICLE CHARGING STATIONS                    | Alternate Fuel           | \$ 3,000,000  | \$3,000,000              |

**TOTAL**

**\$ 39,321,269** **\$31,420,628**

# 2019 CMAQ PROJECT RECOMMENDATIONS

| County                   | Sponsor Agency | Project Name and Description                          | Primary Project Type     | Total Cost           | Total CMAQ \$ Requested* |
|--------------------------|----------------|---|--------------------------|----------------------|--------------------------|
| CUY                      | GCRTA          | GCRTA 2024-2025 BUS REPLACEMENT PROGRAM               | Transit                  | \$20,750,000         | \$16,600,000             |
| LAK                      | LAKETRAN       | LAKETRAN VEHICLE REPLACEMENTS                         | Transit                  | \$4,760,000          | \$3,808,000              |
| CUY                      | GCRTA          | BLUE AND GREEN RAIL LINE SHELTER IMPROVEMENTS         | Transit Facility Upgrade | \$2,000,000          | \$1,600,000              |
| REG                      | NOACA          | ELECTRIC VEHICLE CHARGING STATIONS                    | Alternative Vehicles     | \$3,000,000          | \$3,000,000              |
| CUY                      | BEDFORD        | RICHMOND ROAD MULTI-PURPOSE FACILITY                  | Bicycle                  | \$634,440            | \$634,440                |
| LAK                      | WILLOUGHBY     | SR 91-SOM CENTER ROAD MULTI-PURPOSE FACILITY          | Bicycle                  | \$2,537,879          | \$1,845,730              |
| CUY                      | GLENWILLOW     | BROADWAY-RICHMOND INTERSECTION RECONSTRUCTION PROJECT | Intersection Improvement | \$1,711,610          | \$1,369,288              |
| <b>RECOMMENDED TOTAL</b> |                |   |                          | <b>\$ 35,393,929</b> | <b>\$28,857,458</b>      |



# 2019 CMAQ PROJECTS NOT RECOMMENDED

| County | Sponsor Agency            | Project Name and Description           | Primary Project Type | Total Cost    | Total CMAQ \$ Requested* |
|--------|---------------------------|--|----------------------|---------------|--------------------------|
| LOR    | LORAIN COUNTY METRO PARKS | SHEFFIELD VILLAGE CONNECTOR            | Bicycle              | \$ 500,000    | \$ 400,000               |
| GEA    | CHARDON                   | CITY OF CHARDON TRAFFIC SIGNAL UPGRADE | Signal               | \$ 1,800,000  | \$1,422,000              |
| CUY    | CLEVELAND METROPARKS      | WEST CREEK GREENWAY                    | Bicycle              | \$ 20,750,000 | \$16,600,000             |

RECOMMENDED TOTAL

\$3,927,340

\$2,563,170



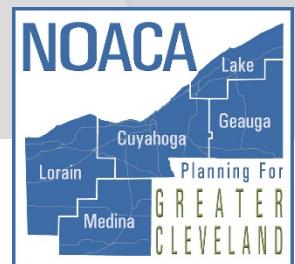
# FINANCIAL IMPACTS

Projects selected for the region will establish the initial CMAQ budgets for SFYs 2024-2025.



# NEXT STEPS

- Upon Board approval, projects will be submitted to the Statewide CMAQ Program Committee for evaluation against other statewide projects in October 2019
- The Statewide CMAQ Program Committee will then submit project recommendations to the OARC Executive Directors for final approval at their November 2019 meeting



# ACTION

Recommend this item to the Executive Committee for placement on the September 2019 Board of Directors' agenda:

- Recommended projects for submission and the assignment of Regional Priority Points as required under Statewide CMAQ policy



Motion  
Second  
Discussion  
Put the Question





NOACA will **STRENGTHEN** regional cohesion, **PRESERVE** existing infrastructure, and **BUILD** a sustainable multimodal transportation system to **SUPPORT** economic development and **ENHANCE** quality of life in Northeast Ohio.

